Notice of Allowability	Application No.	Applicant(s)	and
	10/665,757	LEEDY, GLENN J.	(V)
	Examiner	Art Unit	
	Barrela E. Barkina	2022	
	Pamela E. Perkins	2822	
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	plication. If not included n will be mailed in due cou	urse. <b>THIS</b>
1. A This communication is responsive to the filing of the Termin	nal Disclaimer on 11 January 2006.		
2. X The allowed claim(s) is/are <u>156-291,394-399,409-424,448-</u>	-455,457-460,462-464,466-468,470-	<u>-485 and 523-530</u> .	
3. Acknowledgment is made of a claim for foreign priority un	nder 35 U.S.C. § 119(a)-(d) or (f).		
a) ☐ All b) ☐ Some* c) ☐ None of the:			
1.   Certified copies of the priority documents have	been received.		
2. Certified copies of the priority documents have	been received in Application No	·	
3. Copies of the certified copies of the priority do	cuments have been received in this	national stage application	n from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requi	ements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			ck) of
6. DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT			e the
Attachment(s)  1. Notice of References Cited (PTO-892)	5.  Notice of Informal F	Patent Application (PTO-1	52)
2. Notice of Preferences Cited (PTO-092)	6. ☐ Interview Summary		,
2. Involice of Draitperson's Faterit Drawing Review (F10-940)			
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Da 08), 7. ☐ Examiner's Amendi	ment/Comment	
Paper No./Mail Date 10/28/05 1/11/06 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's Stateme	ent of Reasons for Allowa	ince
of Biological Material			
	9.		

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## **DETAILED ACTION**

This office action is in response to the filing of the Terminal Disclaimer on 11 January 2006. Claims 156-291, 394-299, 409-424, 448-455, 457,460, 462-464, 466-468, 470-485 and 523-530 are pending; claims 1-55, 292-393, 400-408, 425,447, 456, 461, 465, 469 and 486-522 have been cancelled.

## Allowable Subject Matter

Claims 156-291, 394-299, 409-424, 448-455, 457,460, 462-464, 466-468, 470-485 and 523-530 are allowed.

## Reasons for Allowance

The following is an examiner's statement of reasons for allowance: referring to claims 156, 169, 179, 220, 234, 245, prior art does not anticipate, teach, or suggest a method of making an integrated circuit where a substrate has a principal surface; forming circuit devices on the principal surface; and forming a stress-controlled dielectric membrane/layer overlying the circuit devices.

Referring to claims 189 and 198, prior art does not anticipate, teach, or suggest a method of using an integrated circuit having a stress-controlled dielectric layer and interconnections formed passing through the stress-controlled dielectric layer wherein formation is transferred through the interconnection formed passing through the stress-controlled dielectric layer.

For example, Mauger (4,966,663) discloses a method of making an integrated circuit where a substrate has a principal surface; forming circuit

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devices/circuitry/active devices on the principal surface; and forming an elastic low stress/stress-controlled membrane/layer overlying the circuit devices.

Mauger '663 further discloses the integrated circuit able to have a major portion of the substrate removed throughout a full extent thereof while retaining its structural integrity. However, Mauger '663 does not disclose, anticipate, teach, or suggest the stress-controlled membrane/layer as a dielectric layer.

Stein (4,070,230) discloses a method of making an integrated circuit where a substrate has a principal surface; forming circuit devices/circuitry/active devices on the principal surface; and forming a layer overlying the circuit devices. Stein further discloses the integrated circuit able to have a major portion of the substrate removed throughout a full extent thereof while retaining its structural integrity. Stein also discloses transferring information through interconnections formed passing through the layer, wherein the interconnections are at least one of electrical and optical interconnections. However, Stein does not disclose, anticipate, teach or suggest the layer as a stress-controlled dielectric membrane/layer.

The prior art made of record in this action does not anticipate, teach, or suggest forming a stress-controlled dielectric membrane/layer overlying the circuit devices.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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## Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pamela E. Perkins whose telephone number is (571) 272-1840. The examiner can normally be reached on Monday thru Friday, 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Zandra Smith can be reached on (571) 272-2429. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

Supervisory Patent Examiner

PEP